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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,086	07/07/2003		Robert J. Chiu		H1828	7977
22898	7590	11/02/2004		4	EXAM	INER
THE LAW C	OFFICE:	S OF MIKIO IS	SCHILLINGER, LAURA M			
1110 SUNNYVALE-SARATOGA ROAD					4 pm 1 p 1 m	DARED MA (DED
SUITE A1					ART UNIT	PAPER NUMBER
SUNNYVALE, CA 94087					2813	

DATE MAILED: 11/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

3	Application No.	Applicant(s)					
	10/615,086	CHIU ET AL.					
Office Action Summary	Examiner	Art Unit					
	Laura M Schillinger	2813					
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wi	th the correspondence address					
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	ON. R 1.136(a). In no event, however, may a relation. It reply within the statutory minimum of thirt riod will apply and will expire SIX (6) MON atute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).					
Status	•						
1) Responsive to communication(s) filed on 1	6 July 2004.						
	This action is non-final.	•					
· · · · · · · · · · · · · · · · · · ·	·—						
Disposition of Claims		·					
4) Claim(s) 1-20 is/are pending in the applicate 4a) Of the above claim(s) is/are with 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-20 are subject to restriction and	drawn from consideration.						
Application Papers							
9)☐ The specification is objected to by the Examiner.							
	☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to							
Replacement drawing sheet(s) including the cor 11) The oath or declaration is objected to by the	•	, ,					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority document	nents have been received. Hents have been received in A priority documents have been reau (PCT Rule 17.2(a)).	pplication No received in this National Stage					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview S	ummary (PTO-413)					
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB Paper No(s)/Mail Date)/Mail Date formal Patent Application (PTO-152) 					

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-12, drawn to a method of forming an IC, classified in class 438, subclass151.

II. Claims 13-20, drawn to a device, classified in class 257, subclass 324.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the ultra uniform silicide film may be formed by a slow deposition technique or deposited by a PVD method and planarized.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II and vice versa, restriction for examination purposes as indicated is proper.

This application contains claims directed to the following patentably distinct species of the claimed invention:

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Species 1, claims 1-6, pertaining to a method including forming an ultra-uniform silicide which could include variations in thickness exceeding 3%;

Species 2, claims 7-12, pertaining to a method including forming a nickel silicide having no variations in thickness exceeding 3%;

Group II:

Species 1, claims 13-16 pertaining to a device including an ultra-uniform silicide which could include variations in thickness exceeding 3%;

Species 2, claims 17-20, pertaining to a device including a nickel silicide having no variations in thickness exceeding 3%.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there is no generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

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Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR) 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M Schillinger whose telephone number is (571) 272-1697. The examiner can normally be reached on M-T, R-F 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W Whitehead, Jr. can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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